## **Listing of Claims:**

The following claims listing supercedes any other listing of the claims of the invention.

1. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> comprising an ultrasonic transducer, the ultrasonic transducer <u>further</u>-comprising, by sequential lamination:

an acoustic lens;

an acoustic matching layer;

a piezoelectric element; and

a backing member,

wherein the backing member <u>attenuates</u> is arranged on a surface that is opposed to a surface of the acoustic matching layer in order to attenuate ultrasonic waves and the acoustic lens arranged at the piezoelectric element contains a synthetic rubber having a mixture including acrylonitrile-butadiene rubber (NBR), ethylene-propylene terpolymer (EPDM), and at least inorganic fine powders.

- 2. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, wherein the backing member has a hardness property of between 80 <u>and</u> [[to]] 100 degrees in the A scale in conformity with JISK6253 and an ultrasonic absorbing coefficient of 10 [dB/mm] or more at a frequency of 5 MHz.
- 3. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, further comprising:

an exterior cap which immerses the ultrasonic transducer in an acoustic medium, and wherein the backing member immersed in the acoustic medium displays a percentage of absorption that is 2.5% or less and displays an acoustic impedance that is within a range of  $1 \times 10^6$  to  $8 \times 10^6$  [kg/(m<sup>2</sup>·s)].

- 4. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, further comprising:
  - a flexible shaft which rotates the ultrasonic transducer using a driving motor.
- 5. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, further comprising:
- a coating film which covers the ultrasonic transducer to protect it from the acoustic medium.
- 6. (Currently Amended) An ultrasonic probe for an endoscope according to Claim 1, wherein the acoustic medium is aqueous solution that imposes a low attenuation on ultrasonic waves arriving at <u>a</u> the surface of the ultrasonic transducer, and wherein the aqueous solution is obtained by adding an additive to the water, or oil that displays a low attenuation to ultrasonic waves.
- 7. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, wherein the ultrasonic transducer <u>further</u> comprises at least:
- a piezoelectric element which receives and transmits ultrasonic waves; and a backing member which is arranged at a rear surface side of the piezoelectric element, wherein the backing member is a mixture including acrylonitrile-butadiene rubber (NBR), ethylene-propylene terpolymer (EPDM), and at least inorganic fine powders, and wherein

the backing member is a synthetic rubber having a hardness property of between approximately 80 to 100 degrees in the A scale in conformity with JISK6253 and having an ultrasonic absorbing coefficient of approximately 10 [dB/mm] or more at a frequency of 5 MHz.

8. (Currently Amended) An ultrasonic probe <u>for an endoscope</u> according to Claim 1, wherein the ultrasonic transducer <u>further</u> comprises at least:

a piezoelectric element which receives and transmits ultrasonic waves; and a backing member which is arranged at a rear surface side of the piezoelectric element, wherein the backing member is formed as a mixture including acrylonitrile-butadiene rubber (NBR), ethylene-propylene terpolymer (EPDM), and at least inorganic fine powders, wherein

the backing member is a synthetic rubber having a hardness property of approximately 80 to 100 degrees in the A scale in conformity with JISK6253 and an ultrasonic absorbing coefficient of approximately 10 [dB/mm] or more at a frequency of 5 MHz, and

wherein the backing member further displays a percentage of absorption property of approximately 2.5% or less, and an acoustic impedance in an approximate range of  $1 \times 10^6$  to  $8 \times 10^6$  [kg/(m<sup>2</sup>·s)].